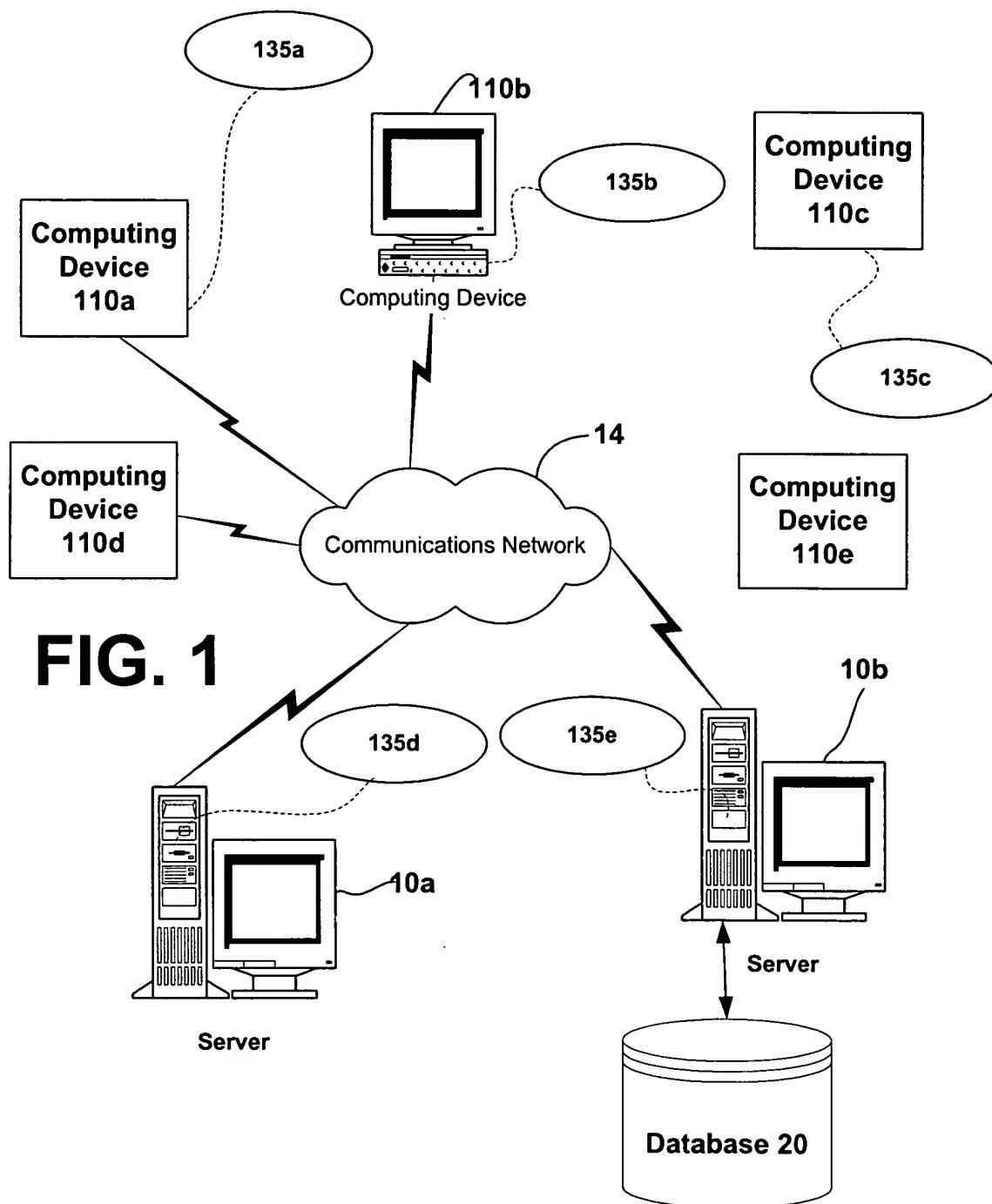
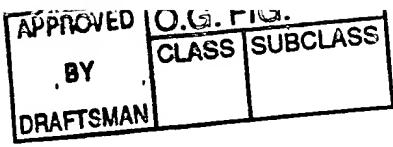


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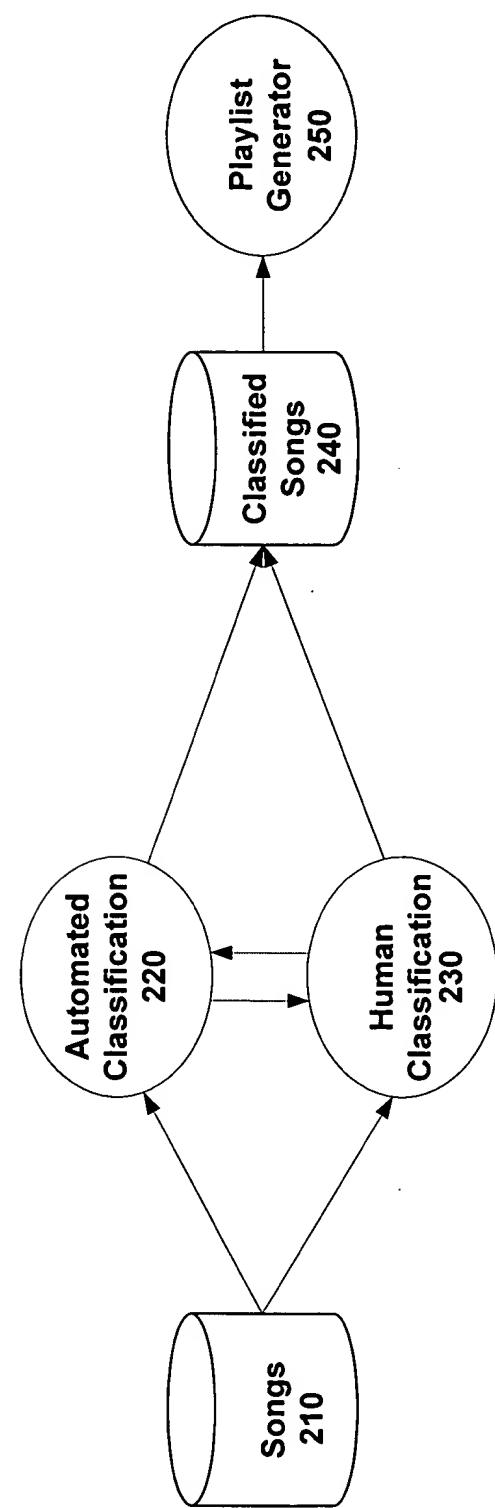
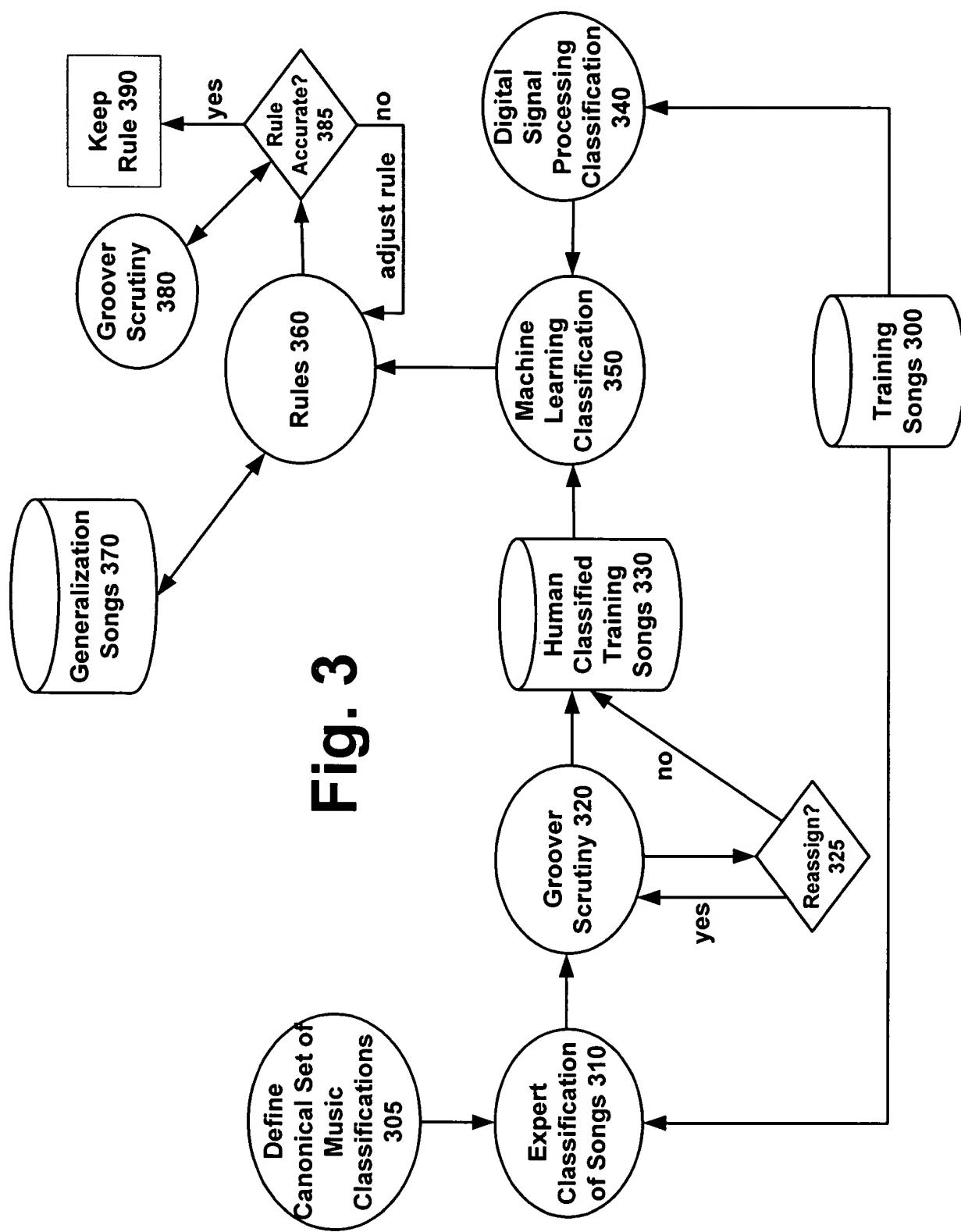


Fig. 2

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Fig. 4A

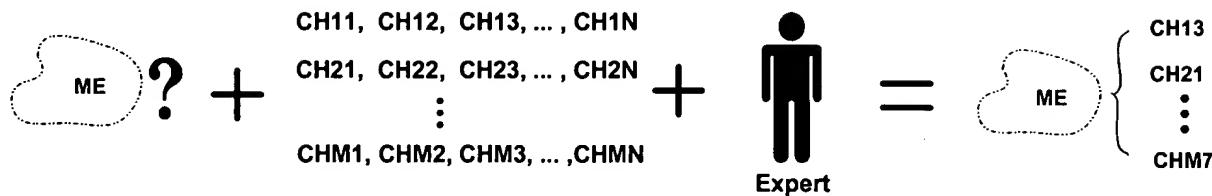


Fig. 4B

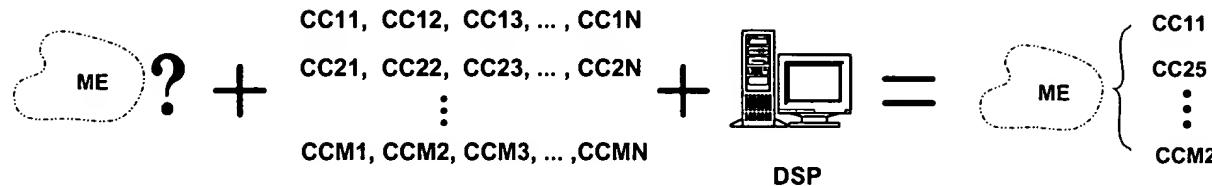


Fig. 4C

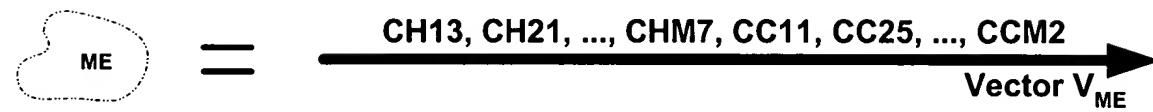
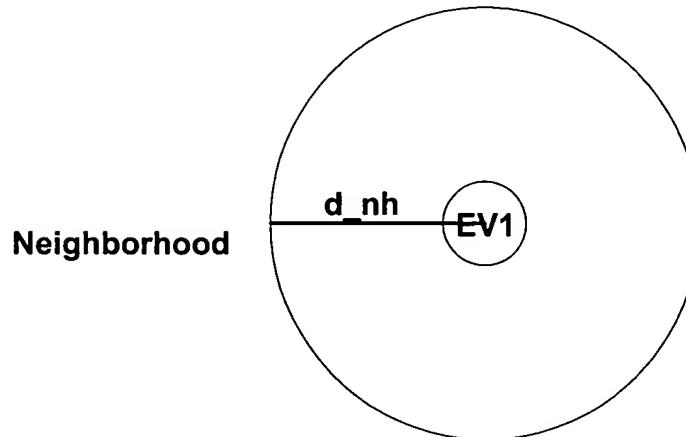


Fig. 4D

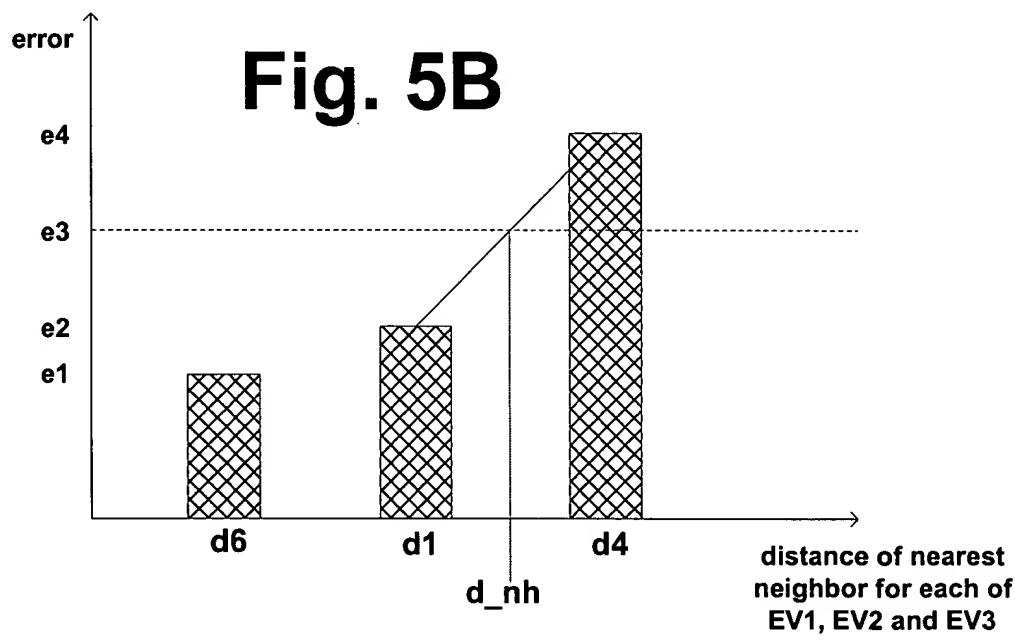
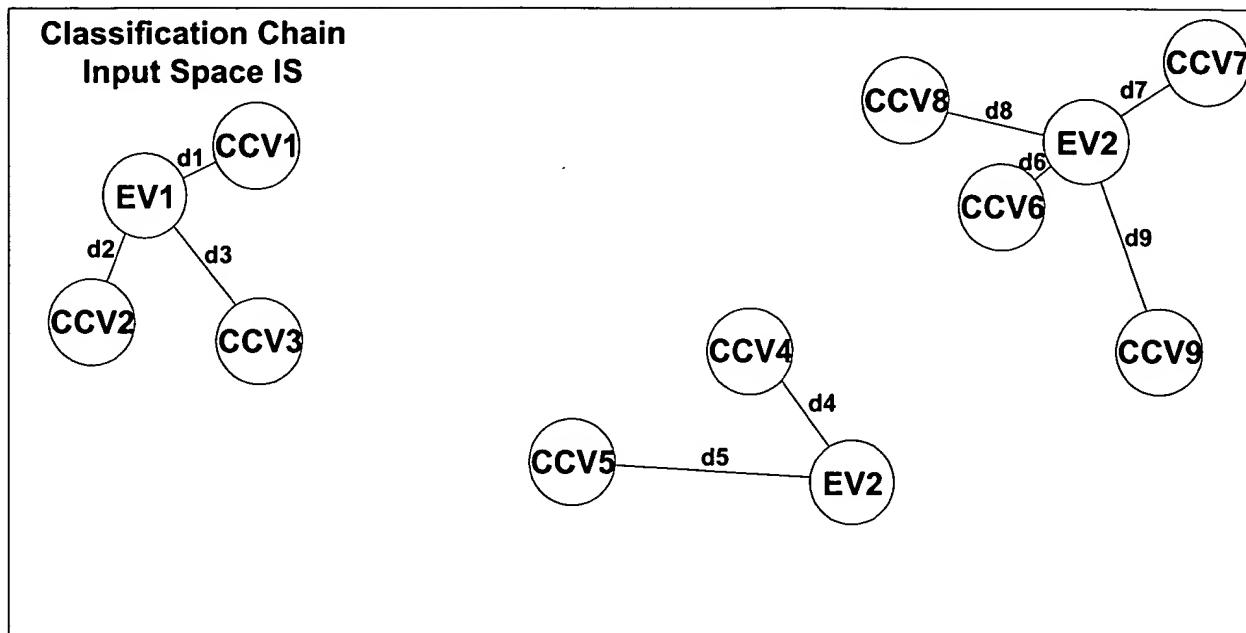


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Fig. 5A



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Fig. 6A

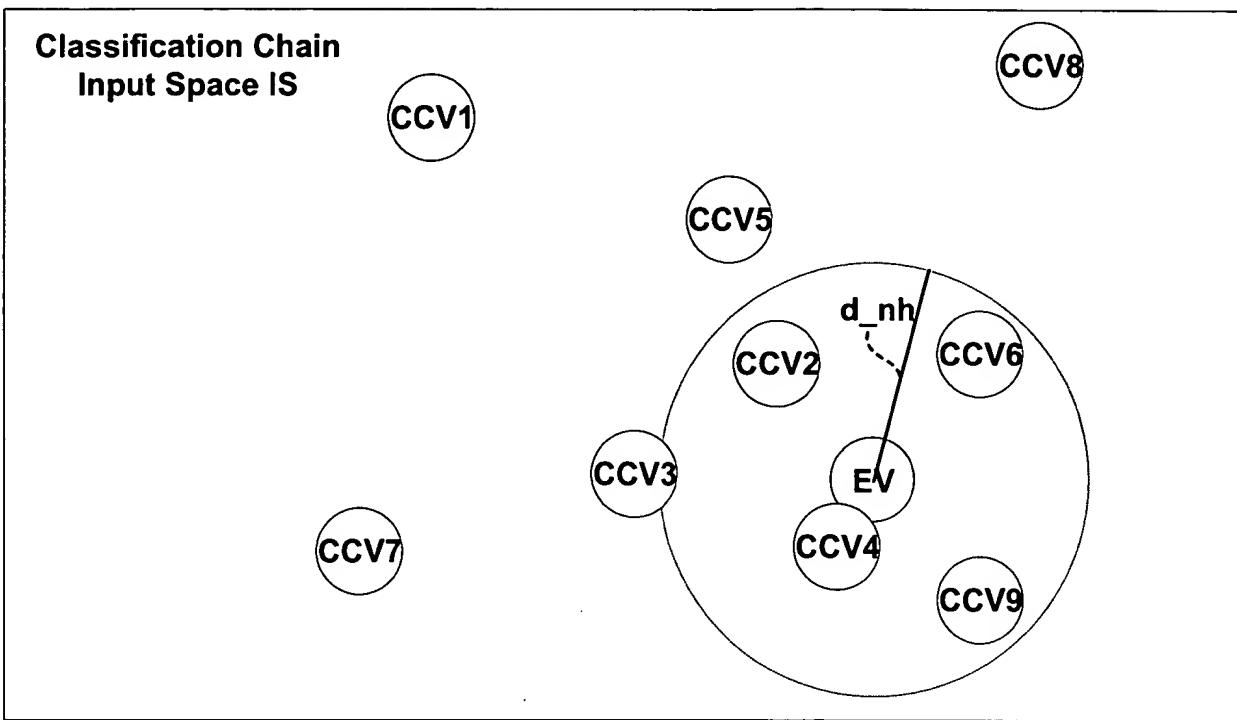
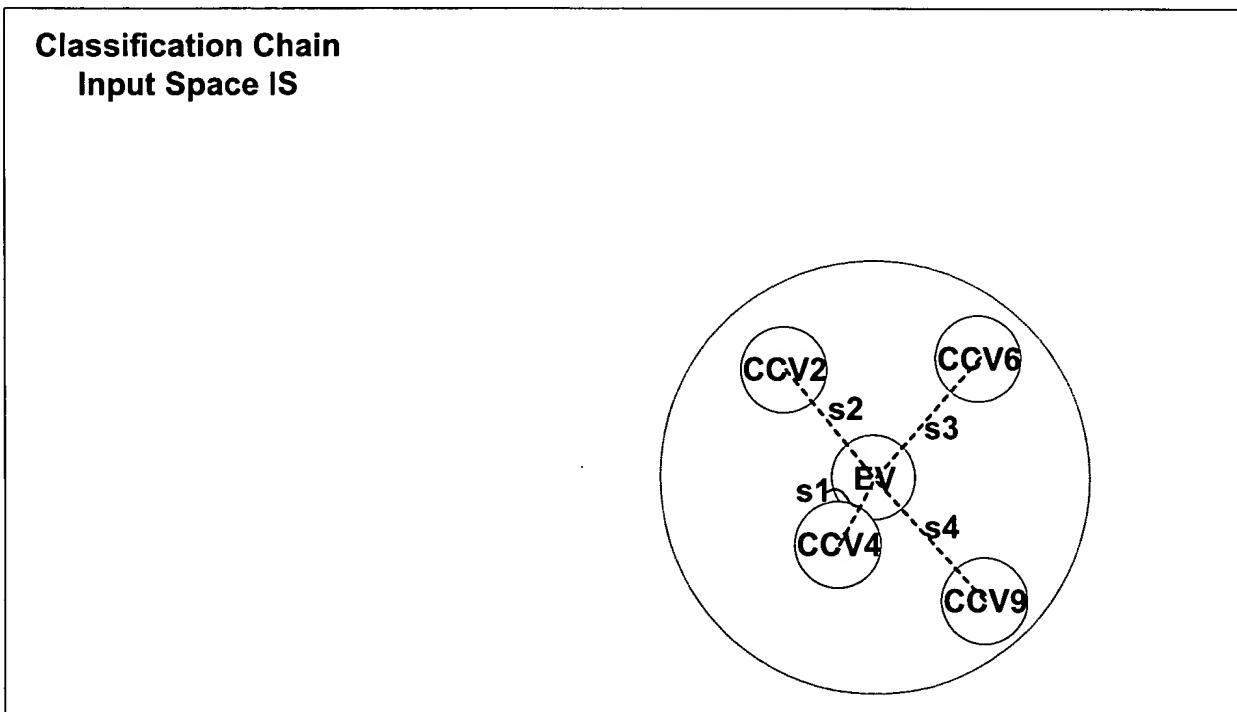


Fig. 6B



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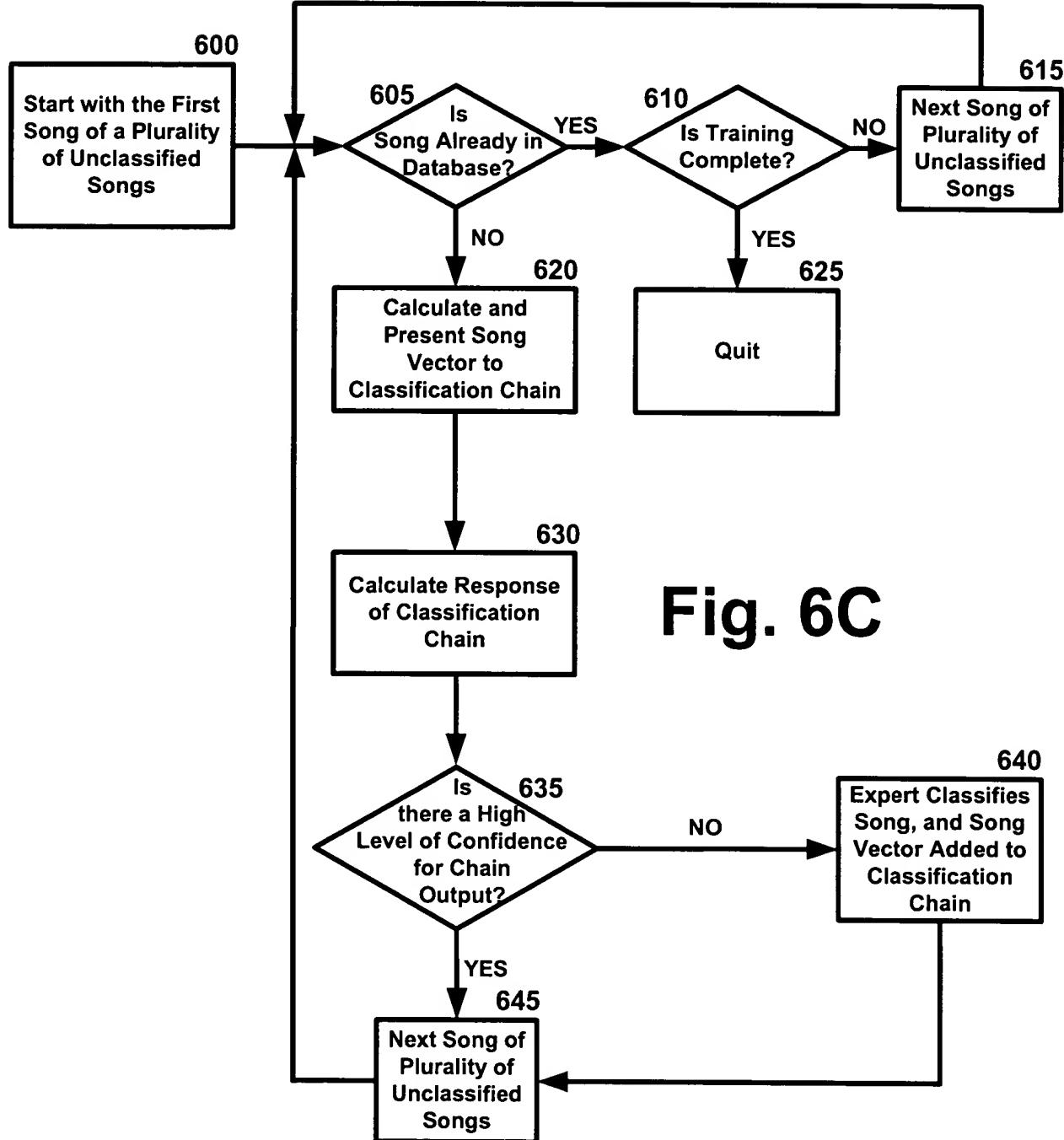


Fig. 6C

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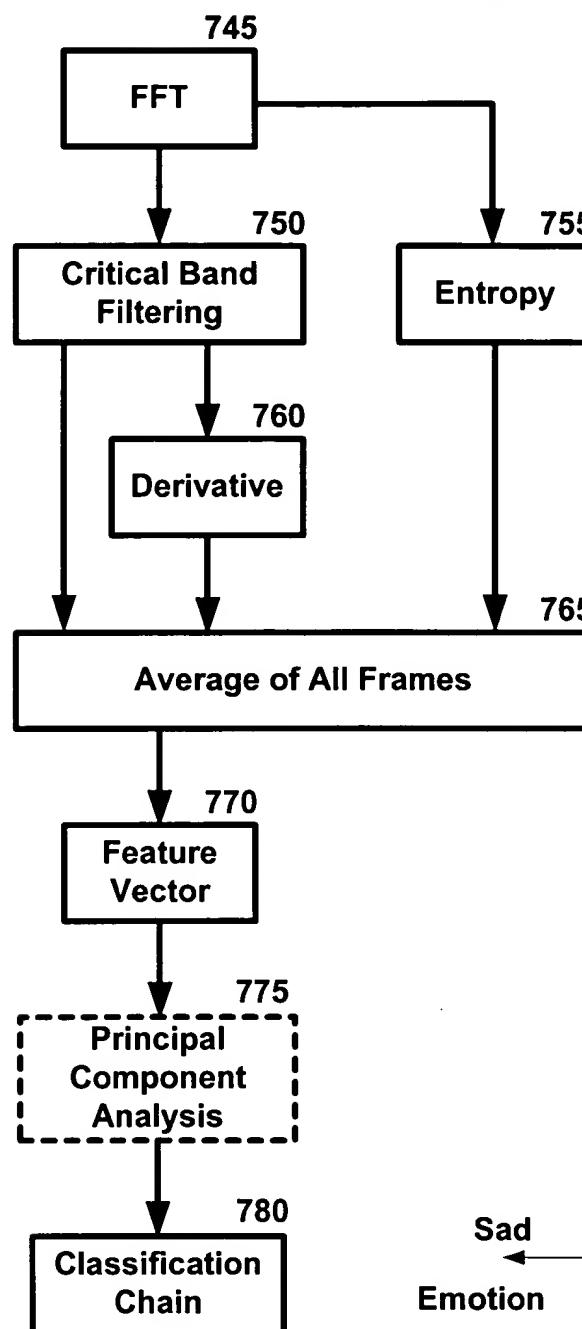
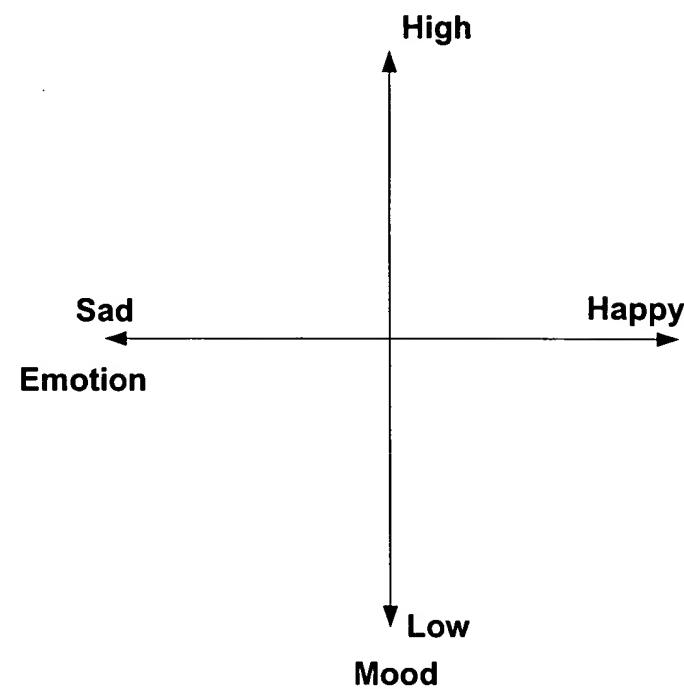


Fig. 7A

Fig. 7B

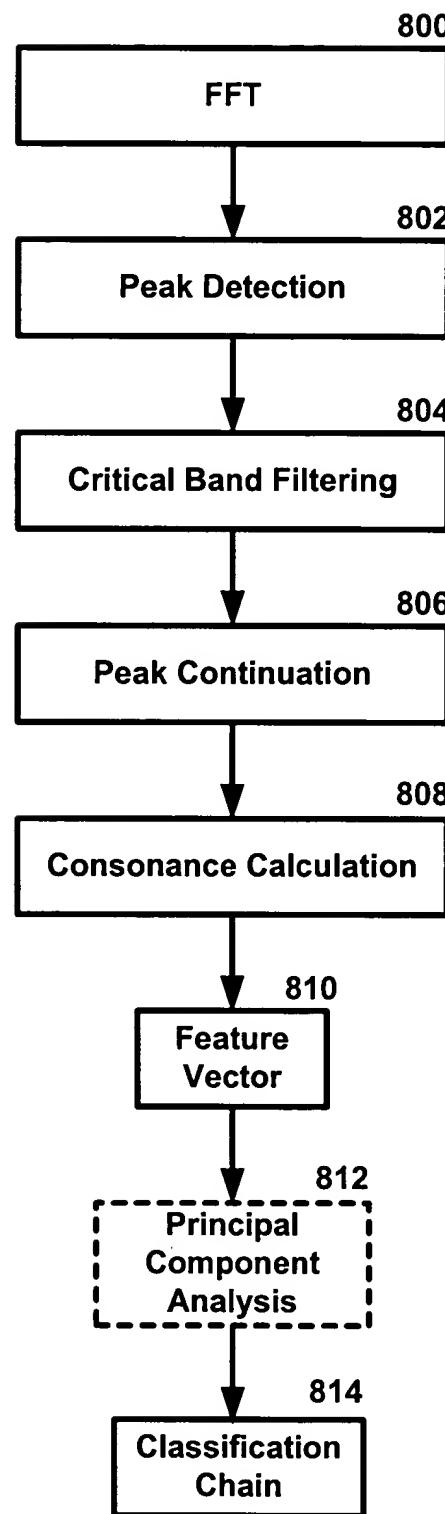


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Fig. 8A



816

FrameNum = 1 : NumFrames

818

Zero-pad and Take FFT of Audio Frame

820

Diff_FFT[] = Successive Differences of FFT'd Buffer

822

FFTIndex = 1:NumBins

824

Diff_FFT(FFTIndex) > 0?

NO

YES

826

Diff_FFT(FFTIndex+1) < 0?

NO

YES

828

Record Bin & Energy into Output Matrices

830

FFTIndex++
FFTIndex >= LastBin?

YES

Fig. 8B

834

Select Top Requested Number of Peaks

836

PeakNum = 1: NumPeaksRequested

838

Nth Order Interpolate Peaks' Positions and Heights

840

PeakNum++
PeakNum > NumPeaksRequested?

NO

YES

842

FrameNum++
FrameNum > NumFrames?

YES

844

FINISHED

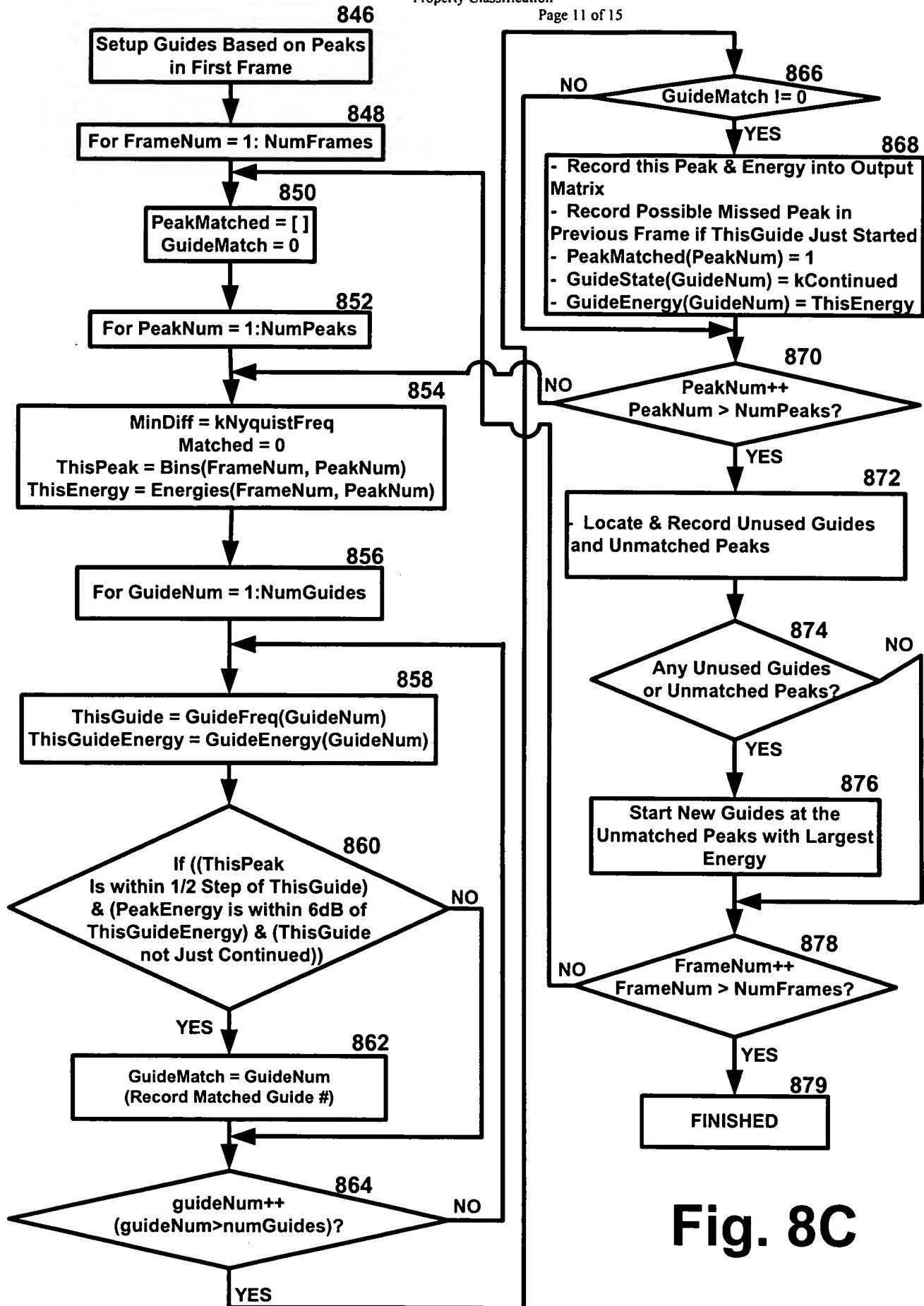


Fig. 8C

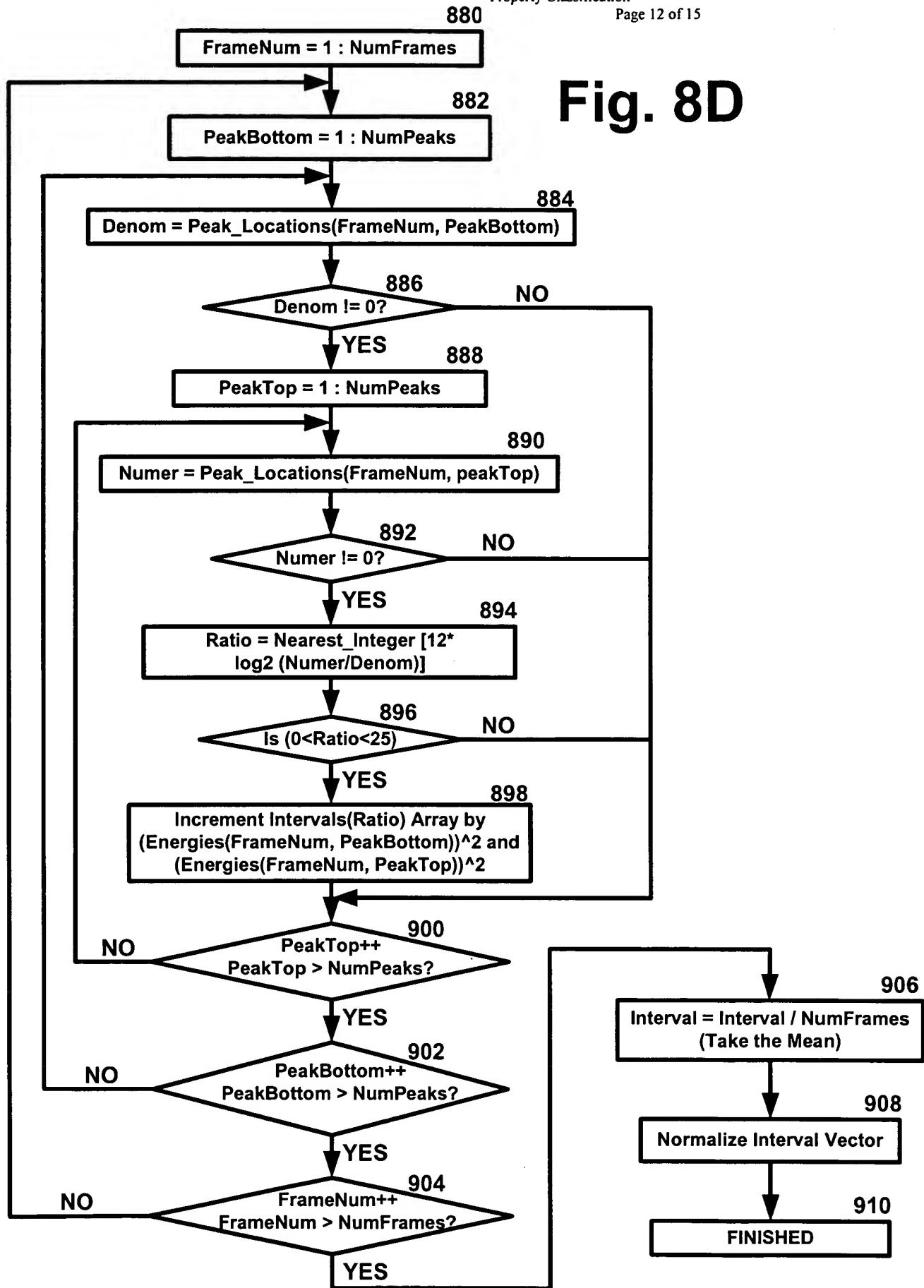


Fig. 9A

